Review Questions:

(1) From the Yellow Text:

Pg.147: Exercise 1: #1abcd, #2abcd
Exercise 2: #1abcd, #2abcd
Exercise 3: #1abcd

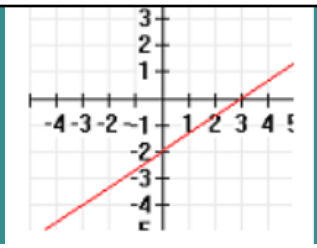
Pg.172# 1(a-i) #2 (abcd)

(2) From our Text:

Pg.152 # 2,3,4

Nov 27-10:36 PM

Practice Questions



1. **The y-intercept of the line is:** A. 1 B. -2 C. 3 D 4

2. **The x- intercept of the graph is:** A. 1 B. -2 C. 3 D 4

3. **The line shown has:**
A. a zero slope B. a negative slope C. a positive slope D. an undefined slope

4. **The equation of the line shown in the graph is:**
A. $y = 3x + 2$ B. $y = \frac{2}{3}x - 2$ C. $2y = 3x - 2$ D. $y = -\frac{2}{3}x - 2$

5. **A popular movie rental company charges a monthly membership fee of $5.00 and charges $2.00 for each movie rented during the month (M). The equation for the total charges (C) is:**
A. $C = 2 + 5M$ B. $C = 5 + 2M$ C. $M = 5 + 2C$ D. $M = 2 + 5C$

6. **In what form is $y = 3x + 2$ expressed as?**
A. slope, y intercept form B. slope, x-intercept form C. point form D. intercept form

7. **If the slope of a line is -4 and the y-intercept is –2 then the equation of that line is:**
A. $y = -4x + 2$ B. $y = 4x + 2$ C. $y = -4x - 2$ D. none of these

Nov 27-10:22 PM

8. You are given the points on a graph line (1,2) and (2,7). Using this information determine the equation of the line passing through these points, in y = mx + b form

9. Find the equation of a line with a slope of 2, passing through the point (3, -2). Write your answer in the y = mx + b form.

Nov 27-10:14 PM

Chapter 3 Test Review

Section 3.1 – Describing Patterns

Key Terms: Continuous Data — Dependent/Indepent Variables
Discrete Data — Domain and Range
Equation — Linear

Concepts: Graphing Results and Making Preditions
Using Patterns and Models
Connecting Patterns with Equations (Remember the connected cubes and # of faces)

Section 3.2 –
Solving different types of equations and solving word problems using equations

Section 3.3 – Decision Making and Patterns

Key Terms: Distributive Property (Example: 2(x + 5) is 2x + 10
Identity
Intersection Point (when the two equations are equal)

Concepts: Making Decisions
Extending Equation Solving
Equations with Fractional Expressions (remember to multiply by the LCM)

Section 3.4 – Predictions and Lines: y=mx+b

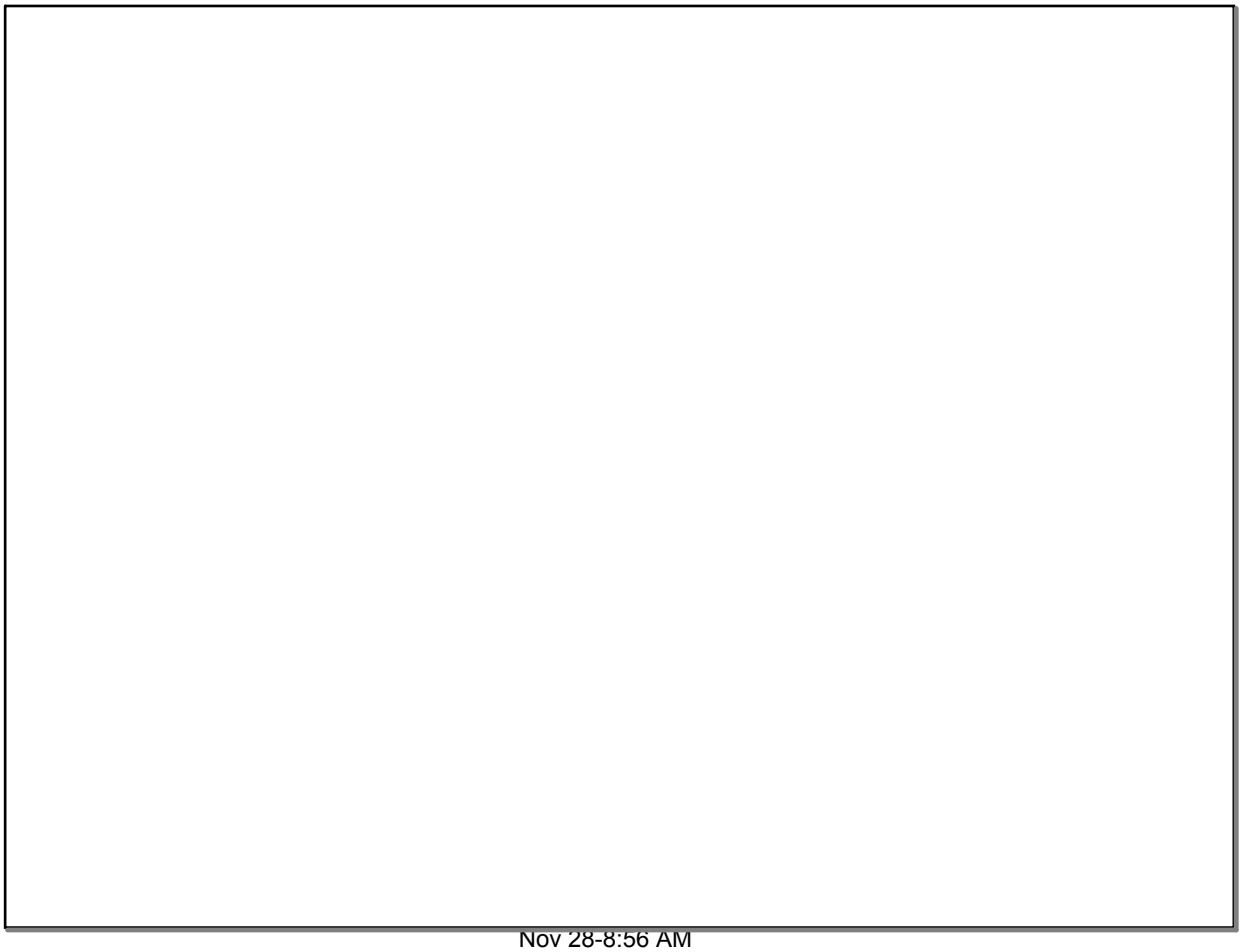
Key Terms: Slope (different types)
Slope y-intercept form (y = mx + b)
Undefined and zero
x-intercept (when y = ?)
y-intercept (when x = ?)

Concepts: Connecting Equations and Graphs of Lines
Constructing Graphs (table of values)
Creating Equations (y = mx + b: the 7 situations)
Writing and Using Equations
Equations and the x-intercepts
Rearranging Equations and Formulas

Extra Practice (Some of these we may have already done, however it would be smart to review them):

1. Page 100, #13, 14, 16
2. Page 107, #8
3. Page 112, #4, 5, 9
4. Page 114, #12
5. Page 115, #17
6. Page 116, #24
7. Page 120, #7, 8, 10
8. Page 123, #16, 17, 19
9. Page 125, #21, 23
10. Page 129, #34, 35

Nov 27-10:26 PM



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